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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/929,321	08/14/2001	Ananta Sankar Senapati	PD-201132	8669

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EXAMINER

PWU, JEFFREY C

ART UNIT

PAPER NUMBER

2143

DATE MAILED: 10/19/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/929,321

Applicant(s)

SENAPATI ET AL

Examiner

Jeffrey C. Pwu

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2143

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-13 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-13 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. ____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 8/3/05 & 5/27/02

- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: ____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-13 are rejected under 35 U.S.C. 102(e) as being unpatentable over Huotari et al. (U.S. 2002/0004935)

Huotari et al. disclose claims :

1. A computer implemented method for provisioning broadband service in a Point-to-Point Protocol over Ethernet (PPPoE) network, comprising:

transmitting an authentication request from a modem to a single configuration domain name over a PPPoE network; and receiving authorization from said configuration domain name. (105, 300, 400, 110; 1000; 1030)

2. The method of claim 1, further comprising, prior to said transmitting step, the step of providing a modem that includes a configuration domain name associated with a configuration Broadband Service Node (BSN, 1030).

3. The method of claim 1, further comprising, prior to said transmitting step, the step of establishing a PPPoE session. (paragraph [73])

4. The method of claim 1, further comprising, prior to said transmitting step, the steps of: requesting only a single identifier from a user of a client computer; receiving said identifier; and storing said identifier. (1030)

5. The method of claim 4, wherein said transmitting step comprises transmitting an authorization request containing said identifier and a generic password to said single configuration domain name. (1030)

6. A method of claim 1, wherein said receiving step comprises acquiring at least one temporary dynamic Internet Protocol (IP) address. (paragraph [0082])

8. A system for provisioning broadband service in a Point-to-Point Protocol Over Ethernet (PPPoE) network, comprising: a least one client computer; a modem coupled to said client computer, said modem including a memory comprising: instructions for transmitting an authentication request from a modem to a single configuration domain name over a PPPoE network; and instructions for receiving authorization from said configuration domain name; a single configuration Broadband Service Node (BSN) coupled to said modem, where said single configuration domain name is associated

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with said single configuration BSN; and an authentication server coupled to said single configuration BSN. (105, 300, 400, 110; 1000; 1030)

10. The system of claim 1, further comprising: multiple Broadband Service Nodes (BSNs) coupled to said modem, where each of said BSNs is associated with a different domain name; and an authentication server coupled to each one of said multiple BSNs. (fig.5; 1030)

11. The system of claim 10, wherein said multiple BSNs are coupled to the Internet. (paragraph [0078], [0082], [0086], [0087], [0092])

12. The system of claim 8, wherein said memory further comprises a generic password. (paragraph [0073]).

13. A computer program product for use in conjunction with a computer system for provisioning broadband service in a Point-to-Point Protocol Over Ethernet (PPPoE) network, the computer program product comprising a computer readable storage and a computer program stored therein, the computer program comprising: instructions for transmitting an authentication request from a modem to a single configuration domain name over a PPPoE network; and instructions for receiving authorization from said configuration domain name. (105, 300, 400, 110; 1000; 1030)

Allowable Subject Matter

3. Claims 7 and 9 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Response to Arguments

4. Applicant's arguments filed 7/26/2005 have been fully considered but they are not persuasive.

With respect to applicant's argument that Huotari does not teach transmitting an authentication request to a single configuration domain and over a PPPoE network. The Examiner respectfully disagrees. In contrary, Huotari teaches this limitation at least in paragraph [0068], [0069] & [0070]. Huotari discloses:

[0068] As illustrated in FIG. 3, the service provider system 125 receives a user data file 300 from the user system 105 through the communication medium 115. The web server 250 then reads the user data file 300 and extracts the login name and the login password field from the user data file 300. Using the login name and login password, the web server 250 queries the DSL user information database 255 to retrieve the system information for the particular corresponding user system 105.

[0069] FIG. 4 illustrates a data structure diagram of the user data file 300 according to aspects of an embodiment of the invention. In one embodiment, the user data file 300 includes the following fields: dial-up access server telephone number, dial-up access login name, dial-up access password, domain name, IP address of web server, and complete GET request URL. In one embodiment of the invention, the dial-up access server telephone number is a text field and

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contains a telephone number of the service provider 125. In one embodiment of the invention, the dial-up access login name is a text field and contains the login name of the subscriber 120. In one embodiment of the invention, the dial-up access login password is a text field and contains the password designated to the subscriber 120. In one embodiment of the invention, the domain name is a text field and contains the domain name of the service provider system 110. In one embodiment of the invention, the Internet Protocol (IP) address of that server is a text field and contains the IP address of the service provider system 110. In one embodiment of the invention, the complete GET request URL is a web request, for example a text string such as: [0070] "http://192.168.99.46/login.asp?UserID=pacbell&Password=fillrate&submit=submit+form". - a single configuration domain and over a PPPoE network.

With respect to applicant's argument that Huotari fails to disclose the modem includes a configuration domain name associated with a Broadband Service Node. However, Huotari discloses a modem include a configuration domain name associated with a Broadband Service Node (Local Exchange carrier – LEC ; paragraph [0076])

With respect to applicant's argument that Huotari does not disclose PPPoE session is established before transmitting the authentication request. Firstly, claim 3 states "prior to said transmitting step, the step of establishing a PPPoE session" Huotari discloses a step of establishing PPPoE session at the communication medium 115 prior to the transmitting step 110, 125.

With respect to applicant's argument that Huotari does not disclose "requesting only a single identifier from a user of a client computer; receiving said identifier; and storing said identifier". However, Huotari discloses this limitation at paragraph [0042], [0080], [0081], [0082]

With respect to applicant's argument that Huotari does not disclose "wherein said receiving step comprises acquiring at least one temporary dynamic Internet Protocol (IP) address". However, Huotari discloses this limitation at paragraph [0082]-[0087].

Conclusion

5. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jeffrey C. Pwu whose telephone number is 571-272-6798.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Wiley can be reached on 571-272-3923. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



10/14/05

JEFFREY PWU
PRIMARY EXAMINER